

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/373658

CRF Processing Date: 01/21/99
 Edited by: Ch
 Verified by: Ch (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: T-4
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: ENTERED
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☒ Corrected an obvious error in the response, specifically: Seq 95 - deleted "C" from "CDNA" in (212) response
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,658

DATE: 09/01/1999
TIME: 14:09:21

Input Set: I373658.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

P. 5

1 <110> APPLICANT: Iruela-Arispe, Luisa
2 Hastings, Gregg A.
3 Ruben, Steven M.
4 Jonak, Zdenka L.
5 Trulli, Stephen H.
6 Fronwald, James A.
7 Terrett, Jonathan A.
8 <120> TITLE OF INVENTION: Meth1 and Meth2 Polynucleotides and Polypeptides
9 <130> FILE REFERENCE: 1488.1070006
10 <140> CURRENT APPLICATION NUMBER: US/09/373,658
11 <141> CURRENT FILING DATE: 1999-08-13
12 <160> NUMBER OF SEQ ID NOS: 125
13 <170> SOFTWARE: PatentIn Ver. 2.0
14 <210> SEQ ID NO 1
15 <211> LENGTH: 3261
16 <212> TYPE: DNA
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21 <220> FEATURE:
22 <221> NAME/KEY: UNSURE
23 <222> LOCATION: (3095)
24 <223> OTHER INFORMATION: May be any nucleic acid
25 <220> FEATURE:
26 <221> NAME/KEY: UNSURE
27 <222> LOCATION: (3248)
28 <223> OTHER INFORMATION: May be any nucleic acid
29 <220> FEATURE:
30 <221> NAME/KEY: UNSURE
31 <222> LOCATION: (3255)
32 <223> OTHER INFORMATION: May be any nucleic acid
33 <220> FEATURE:
34 <221> NAME/KEY: UNSURE
35 <222> LOCATION: (3261)
36 <223> OTHER INFORMATION: May be any nucleic acid
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40 1 5 10 15
41 ccc acg ctg ctg ctg ctc gcc gcg gcg cta ctg gcc gtg tcg gac gca 96
42 Pro Thr Leu Leu Leu Leu Ala Ala Ala Leu Leu Ala Val Ser Asp Ala
43 20 25 30
44 ctc ggg cgc ccc tcc gag gag gac gag gag cta gtg gtg ccg gag ctg 144

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,658

DATE: 09/01/1999
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Input Set: I373658.RAW

45	Leu Gly Arg Pro Ser Glu Glu Asp Glu Glu Leu Val Val Pro Glu Leu	
46	35 40 45	
47	gag cgc gcc ccg gga cac ggg acc acg cgc ctc cgc ctg cac gcc ttt	192
48	Glu Arg Ala Pro Gly His Gly Thr Thr Arg Leu Arg Leu His Ala Phe	
49	50 55 60	
50	gac cag cag ctg gat ctg gag ctg cgg ccc gac agc agc ttt ttg gcg	240
51	Asp Gln Gln Leu Asp Leu Glu Leu Arg Pro Asp Ser Ser Phe Leu Ala	
52	65 70 75 80	
53	ccc ggc ttc acg ctc cag aac gtg ggg cgc aaa tcc ggg tcc gag acg	288
54	Pro Gly Phe Thr Leu Gln Asn Val Gly Arg Lys Ser Gly Ser Glu Thr	
55	85 90 95	
56	ccg ctt ccg gaa acc gac ctg gcg cac tgc ttc tac tcc ggc acc gtg	336
57	Pro Leu Pro Glu Thr Asp Leu Ala His Cys Phe Tyr Ser Gly Thr Val	
58	100 105 110	
59	aat ggc gat ccc agc tcg gct gcc gcc ctc agc ctc tgc gag ggc gtg	384
60	Asn Gly Asp Pro Ser Ser Ala Ala Ala Leu Ser Leu Cys Glu Gly Val	
61	115 120 125	
62	cgc ggc gcc ttc tac ctg ctg ggg gag gcg tat ttc atc cag ccg ctg	432
63	Arg Gly Ala Phe Tyr Leu Leu Gly Glu Ala Tyr Phe Ile Gln Pro Leu	
64	130 135 140	
65	ccc gcc gcc agc gag cgc ctc gcc acc gcc gcc cca ggg gag aag ccg	480
66	Pro Ala Ala Ser Glu Arg Leu Ala Thr Ala Ala Pro Gly Glu Lys Pro	
67	145 150 155 160	
68	ccg gca cca cta cag ttc cac ctc ctg cgg cgg aat cgg cag ggc gac	528
69	Pro Ala Pro Leu Gln Phe His Leu Leu Arg Arg Asn Arg Gln Gly Asp	
70	165 170 175	
71	gta ggc ggc acg tgc ggg gtc gtg gac gag gag ccc cgg ccg act ggg	576
72	Val Gly Gly Thr Cys Gly Val Val Asp Asp Glu Pro Arg Pro Thr Gly	
73	180 185 190	
74	aaa gcg gag acc gaa gac gag gac gaa ggg act gag ggc gag gac gaa	624
75	Lys Ala Glu Thr Glu Asp Glu Asp Glu Gly Thr Glu Gly Glu Asp Glu	
76	195 200 205	
77	ggg cct cag tgg tcg ccg cag gac ccg gca ctg caa ggc gta gga cag	672
78	Gly Pro Gln Trp Ser Pro Gln Asp Pro Ala Leu Gln Gly Val Gly Gln	
79	210 215 220	
80	ccc aca gga act gga agc ata aga aag aag cga ttt gtg tcc agt cac	720
81	Pro Thr Gly Thr Gly Ser Ile Arg Lys Lys Arg Phe Val Ser Ser His	
82	225 230 235 240	
83	cgc tat gtg gaa acc atg ctt gtg gca gac cag tcg atg gca gaa ttc	768
84	Arg Tyr Val Glu Thr Met Leu Val Ala Asp Gln Ser Met Ala Glu Phe	
85	245 250 255	
86	cac ggc agt ggt cta aag cat tac ctt ctc acg ttg ttt tcg gtg gca	816
87	His Gly Ser Gly Leu Lys His Tyr Leu Leu Thr Leu Phe Ser Val Ala	
88	260 265 270	
89	gcc aga ttg tac aaa cac ccc agc att cgt aat tca gtt agc ctg gtg	864
90	Ala Arg Leu Tyr Lys His Pro Ser Ile Arg Asn Ser Val Ser Leu Val	
91	275 280 285	
92	gtg gtg aag atc ttg gtc atc cac gat gaa cag aag ggg ccg gaa gtg	912
93	Val Val Lys Ile Leu Val Ile His Asp Glu Gln Lys Gly Pro Glu Val	
94	290 295 300	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/373,658

DATE: 09/01/1999
TIME: 14:09:21

Input Set: I373658.RAW

95	acc tcc aat gct gcc ctc act ctg cgg aac ttt tgc aac tgg cag aag	960
96	Thr Ser Asn Ala Ala Leu Thr Leu Arg Asn Phe Cys Asn Trp Gln Lys	
97	305 310 315 320	
98	cag cac aac cca ccc agt gac cgg gat gca gag cac tat gac aca gca	1008
99	Gln His Asn Pro Pro Ser Asp Arg Asp Ala Glu His Tyr Asp Thr Ala	
100	325 330 335	
101	att ctt ttc acc aga cag gac ttg tgt ggg tcc cag aca tgt gat act	1056
102	Ile Leu Phe Thr Arg Gln Asp Leu Cys Gly Ser Gln Thr Cys Asp Thr	
103	340 345 350	
104	ctt ggg atg gct gat gtt gga act gtg tgt gat ccg agc aga agc tgc	1104
105	Leu Gly Met Ala Asp Val Gly Thr Val Cys Asp Pro Ser Arg Ser Cys	
106	355 360 365	
107	tcc gtc ata gaa gat gat ggt tta caa gct gcc ttc acc aca gcc cat	1152
108	Ser Val Ile Glu Asp Asp Gly Leu Gln Ala Ala Phe Thr Thr Ala His	
109	370 375 380	
110	gaa tta ggc cac gtg ttt aac atg cca cat gat gat gca aag cag tgt	1200
111	Glu Leu Gly His Val Phe Asn Met Pro His Asp Asp Ala Lys Gln Cys	
112	385 390 395 400	
113	gcc agc ctt aat ggt gtg aac cag gat tcc cac atg atg gcg tca atg	1248
114	Ala Ser Leu Asn Gly Val Asn Gln Asp Ser His Met Met Ala Ser Met	
115	405 410 415	
116	ctt tcc aac ctg gac cac agc cag cct tgg tct cct tgc agt gcc tac	1296
117	Leu Ser Asn Leu Asp His Ser Gln Pro Trp Ser Pro Cys Ser Ala Tyr	
118	420 425 430	
119	atg att aca tca ttt ctg gat aat ggt cat ggg gaa tgt ttg atg gac	1344
120	Met Ile Thr Ser Phe Leu Asp Asn Gly His Gly Glu Cys Leu Met Asp	
121	435 440 445	
122	aag cct cag aat ccc ata cag ctc cca ggc gat ctc cct ggc acc tcg	1392
123	Lys Pro Gln Asn Pro Ile Gln Leu Pro Gly Asp Leu Pro Gly Thr Ser	
124	450 455 460	
125	tac gat gcc aac cgg cag tgc cag ttt aca ttt ggg gag gac tcc aaa	1440
126	Tyr Asp Ala Asn Arg Gln Cys Gln Phe Thr Phe Gly Glu Asp Ser Lys	
127	465 470 475 480	
128	cac tgc cct gat gca gcc agc aca tgt agc acc ttg tgg tgt acc ggc	1488
129	His Cys Pro Asp Ala Ala Ser Thr Cys Ser Thr Leu Trp Cys Thr Gly	
130	485 490 495	
131	acc tct ggt ggg gtg ctg gtg tgt caa acc aaa cac ttc ccg tgg gcg	1536
132	Thr Ser Gly Gly Val Leu Val Cys Gln Thr Lys His Phe Pro Trp Ala	
133	500 505 510	
134	gat ggc acc agc tgt gga gaa ggg aaa tgg tgt atc aac ggc aag tgt	1584
135	Asp Gly Thr Ser Cys Gly Glu Gly Lys Trp Cys Ile Asn Gly Lys Cys	
136	515 520 525	
137	gtg aac aaa acc gac aga aag cat ttt gat acg cct ttt cat gga agc	1632
138	Val Asn Lys Thr Asp Arg Lys His Phe Asp Thr Pro Phe His Gly Ser	
139	530 535 540	
140	tgg gga atg tgg ggg cct tgg gga gac tgt tcg aga acg tgc ggt gga	1680
141	Trp Gly Met Trp Gly Pro Trp Gly Asp Cys Ser Arg Thr Cys Gly Gly	
142	545 550 555 560	
143	gga gtc cag tac acg atg agg gaa tgt gac aac cca gtc cca aag aat	1728
144	Gly Val Gln Tyr Thr Met Arg Glu Cys Asp Asn Pro Val Pro Lys Asn	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/373,658

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147	Gly	Gly	Lys	Tyr	Cys	Glu	Gly	Lys	Arg	Val	Arg	Tyr	Arg	Ser	Cys	Asn	
148				580				585					590				
149	ctt	gag	gac	tgt	cca	gac	aat	aat	gga	aaa	acc	ttt	aga	gag	gaa	caa	1824
150	Leu	Glu	Asp	Cys	Pro	Asp	Asn	Asn	Gly	Lys	Thr	Phe	Arg	Glu	Glu	Gln	
151				595				600					605				
152	tgt	gaa	gca	cac	aac	gag	ttt	tca	aaa	gct	tcc	ttt	ggg	agt	ggg	cct	1872
153	Cys	Glu	Ala	His	Asn	Glu	Phe	Ser	Lys	Ala	Ser	Phe	Gly	Ser	Gly	Pro	
154				610				615					620				
155	gcg	gtg	gaa	tgg	att	ccc	aag	tac	gct	ggc	gtc	tca	cca	aag	gac	agg	1920
156	Ala	Val	Glu	Trp	Ile	Pro	Lys	Tyr	Ala	Gly	Val	Ser	Pro	Lys	Asp	Arg	
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158	tgc	aag	ctc	atc	tgc	caa	gcc	aaa	ggc	att	ggc	tac	ttc	ttc	gtt	ttg	1968
159	Cys	Lys	Leu	Ile	Cys	Gln	Ala	Lys	Gly	Ile	Gly	Tyr	Phe	Phe	Val	Leu	
160								645					650				
161	cag	ccc	aag	gtt	gta	gat	ggt	act	cca	tgt	agc	cca	gat	tcc	acc	tct	2016
162	Gln	Pro	Lys	Val	Val	Asp	Gly	Thr	Pro	Cys	Ser	Pro	Asp	Ser	Thr	Ser	
163													660				
164	gtc	tgt	gtg	caa	gga	cag	tgt	gta	aaa	gct	ggt	tgt	gat	cgc	atc	ata	2064
165	Val	Cys	Val	Gln	Gly	Gln	Cys	Val	Lys	Ala	Gly	Cys	Asp	Arg	Ile	Ile	
166													675				
167	gac	tcc	aaa	aag	aag	ttt	gat	aaa	tgt	ggt	gtt	tgc	ggg	gga	aat	gga	2112
168	Asp	Ser	Lys	Lys	Lys	Phe	Asp	Lys	Cys	Gly	Val	Cys	Gly	Gly	Asn	Gly	
169													690				
170	tct	act	tgt	aaa	aaa	ata	tca	gga	tca	gtt	act	agt	gca	aaa	cct	gga	2160
171	Ser	Thr	Cys	Lys	Lys	Ile	Ser	Gly	Ser	Val	Thr	Ser	Ala	Lys	Pro	Gly	
172													705				
173	tat	cat	gat	atc	atc	aca	att	cca	act	gga	gcc	acc	aac	atc	gaa	gtg	2208
174	Tyr	His	Asp	Ile	Ile	Thr	Ile	Pro	Thr	Gly	Ala	Thr	Asn	Ile	Glu	Val	
175													725				
176	aaa	cag	cgg	aac	cag	agg	gga	tcc	agg	aac	aat	ggc	agc	ttt	ctt	gcc	2256
177	Lys	Gln	Arg	Asn	Gln	Arg	Gly	Ser	Arg	Asn	Asn	Gly	Ser	Phe	Leu	Ala	
178													740				
179	atc	aaa	gct	gct	gat	ggc	aca	tat	att	ctt	aat	ggt	gac	tac	act	ttg	2304
180	Ile	Lys	Ala	Ala	Asp	Gly	Thr	Tyr	Ile	Leu	Asn	Gly	Asp	Tyr	Thr	Leu	
181													755				
182	tcc	acc	tta	gag	caa	gac	att	atg	tac	aaa	ggt	gtt	gtc	ttg	agg	tac	2352
183	Ser	Thr	Leu	Glu	Gln	Asp	Ile	Met	Tyr	Lys	Gly	Val	Val	Leu	Arg	Tyr	
184													770				
185	agc	ggc	tcc	tct	gcg	gca	ttg	gaa	aga	att	cgc	agc	ttt	agc	cct	ctc	2400
186	Ser	Gly	Ser	Ser	Ala	Ala	Leu	Glu	Arg	Ile	Arg	Ser	Phe	Ser	Pro	Leu	
187													785				
188	aaa	gag	ccc	ttg	acc	atc	cag	gtt	ctt	act	gtg	ggc	aat	gcc	ctt	cga	2448
189	Lys	Glu	Pro	Leu	Thr	Ile	Gln	Val	Leu	Thr	Val	Gly	Asn	Ala	Leu	Arg	
190													805				
191	cct	aaa	att	aaa	tac	acc	tac	ttc	gta	aag	aag	aag	aag	gaa	tct	ttc	2496
192	Pro	Lys	Ile	Lys	Tyr	Thr	Tyr	Phe	Val	Lys	Lys	Lys	Lys	Glu	Ser	Phe	
193													820				
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Input Set: I373658.RAW

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198      Cys Ser Lys Ser Cys Glu Leu Gly Trp Gln Arg Arg Leu Val Glu Cys
199              850                      855                      860
200      cga gac att aat gga cag cct gct tcc gag tgt gca aag gaa gtg aag      2640
201      Arg Asp Ile Asn Gly Gln Pro Ala Ser Glu Cys Ala Lys Glu Val Lys
202      865                      870                      875                      880
203      cca gcc agc acc aga cct tgt gca gac cat ccc tgc ccc cag tgg cag      2688
204      Pro Ala Ser Thr Arg Pro Cys Ala Asp His Pro Cys Pro Gln Trp Gln
205              885                      890                      895
206      ctg ggg gag tgg tca tca tgt tct aag acc tgt ggg aag ggt tac aaa      2736
207      Leu Gly Glu Trp Ser Ser Cys Ser Lys Thr Cys Gly Lys Gly Tyr Lys
208              900                      905                      910
209      aaa aga agc ttg aag tgt ctg tcc cat gat gga ggg gtg tta tct cat      2784
210      Lys Arg Ser Leu Lys Cys Leu Ser His Asp Gly Gly Val Leu Ser His
211              915                      920                      925
212      gag agc tgt gat cct tta aag aaa cct aaa cat ttc ata gac ttt tgc      2832
213      Glu Ser Cys Asp Pro Leu Lys Lys Pro Lys His Phe Ile Asp Phe Cys
214              930                      935                      940
215      aca atg gca gaa tgc agt taa gtggtttaag tgggtgttagc tttgaggcaa      2883
216      Thr Met Ala Glu Cys Ser
217      945                      950
218      ggcaaaagtga ggaagggtctg gtgcagggaa agcaagaagg ctggaggggat ccagcgtatc 2943
219      ttgccagtaa ccagtgaagt gtatcagtaa ggtgggatta tgggggtaga tagaaaagga 3003
220      gttgaatcat cagagtaaac tgccagttgc aaatttgata ggatagttag tgaggattat 3063
W--> 221      taacctctga gcagtgatat agcataataa anccccgggc attattatta ttatttcttt 3123
222      tgttacatct attacaagtt tagaaaaaac aaagcaattg tcaaaaaaaaaa aaaaaaaaaa 3183
223      aaaaaaaaaa aaagggcggc cgctctagag gatccctcga ggggcccaag cttacgcgtg 3243
W--> 224      catgntgtca tnagtctn 3261
225      <210> SEQ ID NO 2
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233      20                      25                      30
234      Leu Gly Arg Pro Ser Glu Glu Asp Glu Glu Leu Val Val Pro Glu Leu
235      35                      40                      45
236      Glu Arg Ala Pro Gly His Gly Thr Thr Arg Leu Arg Leu His Ala Phe
237      50                      55                      60
238      Asp Gln Gln Leu Asp Leu Glu Leu Arg Pro Asp Ser Ser Phe Leu Ala
239      65                      70                      75                      80
240      Pro Gly Phe Thr Leu Gln Asn Val Gly Arg Lys Ser Gly Ser Glu Thr
241      85                      90                      95
242      Pro Leu Pro Glu Thr Asp Leu Ala His Cys Phe Tyr Ser Gly Thr Val
243      100                      105                      110
244      Asn Gly Asp Pro Ser Ser Ala Ala Ala Leu Ser Leu Cys Glu Gly Val

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



Input Set: I373658.RAW

Line	?	Error/Warning	Original Text
221	W	"N" or "Xaa" used: Feature required	taacctctga gcagtgatag agcataataa anccccgg
224	W	"N" or "Xaa" used: Feature required	catgntgtca tnagtctn
545	W	"N" or "Xaa" used: Feature required	catcaactgt ccawtgnaat ggaacttgct cgggttca
546	W	"N" or "Xaa" used: Feature required	aattcattat gatcaacaga cctcacntca tctgttgc
1023	W	"N" or "Xaa" used: Feature required	gtncgaattt cggcacgaga nnttagacgc cttttcat
1029	W	"N" or "Xaa" used: Feature required	nttggctant tctttcgttt tgcagcccaa ggttggtta
1030	W	"N" or "Xaa" used: Feature required	cagattncac ctttgtctgt gtgcaaggac agtgtggt
1031	W	"N" or "Xaa" used: Feature required	cntagattcc aaaaggagtt ttgttaatgt ggtgtttt
1088	W	"N" or "Xaa" used: Feature required	aatgtggtgt ttgcggggga aatggatcta cttgtaaa
1091	W	"N" or "Xaa" used: Feature required	gctgctggat ggcacatata ttcttnaatg gtgactac
1092	W	"N" or "Xaa" used: Feature required	acattntgtg acaaagnnt tgt
1126	W	"N" or "Xaa" used: Feature required	cccacgcgtc cgccacggt nccgggactt gtgtgggt
1131	W	"N" or "Xaa" used: Feature required	nacatggatt gacatcatt ctgggatgaa tggtncat
1132	W	"N" or "Xaa" used: Feature required	agccttcaga atnccctnac annttcccag gggttctc
1151	W	"N" or "Xaa" used: Feature required	aacttctgca actggcagcg gcgtttcaac cagcccag
1152	W	"N" or "Xaa" used: Feature required	gncacggcca tcctnctcac cagacagaa tt
4987	W	"N" or "Xaa" used: Feature required	gcggccgcnc ggcgctggct gctgtgcgga ggccacgg
4988	W	"N" or "Xaa" used: Feature required	tcgcctcct gccctgggtg cgcccccccg ggtcccgg
5177	W	"N" or "Xaa" used: Feature required	ttctngtcta tggcagagat ggcaggttg ncgttgag
5180	W	"N" or "Xaa" used: Feature required	agggaccgg agaccttctt gcaggagttg nctttgcc
5181	W	"N" or "Xaa" used: Feature required	agcttccgag gcgagttccac cacatggtca cagccggc
5182	W	"N" or "Xaa" used: Feature required	cagatggnga gtgtttctgg cccacacagg gtgccatc
5183	W	"N" or "Xaa" used: Feature required	ttggaactcg ctctcccc gggntcggga ggaacaac
5184	W	"N" or "Xaa" used: Feature required	aaccacgat tcttggggga cccactgcag gaggattc
5185	W	"N" or "Xaa" used: Feature required	ggtgggcatt attcttctca caattgntgc tccctgaa
5186	W	"N" or "Xaa" used: Feature required	tccccccng ntggaatnat tggtaacttg gtctccga
5202	W	"N" or "Xaa" used: Feature required	ctggacangt tgatgatagg gtctgncgcc ccataccc
5236	W	"N" or "Xaa" used: Feature required	ccgctgctcc acgcacagt gntgctgggg gactggtc
5239	W	"N" or "Xaa" used: Feature required	gtgatttcag ggggncagg gccattttgt gctcnggg
5240	W	"N" or "Xaa" used: Feature required	agacaaggct ttnattgtg gtgnatgggt tcc
5265	W	"N" or "Xaa" used: Feature required	cntnctggna nnaaaaaatc gcggcagcag ctgctcta
5297	W	"N" or "Xaa" used: Feature required	caggcaagnc ggcacgtagg agcagcagca gcagcagc
5298	W	"N" or "Xaa" used: Feature required	aggggnggcc cgggacccaa ggcgccgaa cagagagg
5299	W	"N" or "Xaa" used: Feature required	cgn
5328	W	"N" or "Xaa" used: Feature required	agagagcagc agagcagagc agagcanagt agagnaga
5367	W	"N" or "Xaa" used: Feature required	gtccggggcc ggccgggcat ggattnaatg cctgagcc
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5369	W	"N" or "Xaa" used: Feature required	gccnagctg aggagaacga cttgggttng cctnccca
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5417	W	"N" or "Xaa" used: Feature required	gattatatct acaacctgga cgagagtga ggtgtttg
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5463	W	"N" or "Xaa" used: Feature required	gaactcaactt cctcttctc ctgctgncac ctgtcttt
5464	W	"N" or "Xaa" used: Feature required	ggggcccaga tggagccttg ctccntgant tatgatag
5556	W	"N" or "Xaa" used: Feature required	cagaggtgca gctgaaggag gaatctgctg ctgctgct
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Input Set: I373658.RAW

Line	Error/Warning	Original Text
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5617	W "N" or "Xaa" used: Feature required	agcagcaaac ccaggncctc agcccacctc ctaatgtg
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5694	W "N" or "Xaa" used: Feature required	tctcagcatg ggcttccagg gcagcgattg aggagacn
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5827	W "N" or "Xaa" used: Feature required	ttaccagcag cagcagcagc agcagcagca gcagcagc
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5829	W "N" or "Xaa" used: Feature required	gatttnggca ttgtgggttg ctgcatgga aggacatt
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6777	W "N" or "Xaa" used: Feature required	agcagcagct gctgcnnctg gctgcagctc gagaagca
6785	W "N" or "Xaa" used: Feature required	ctagcgnnnn gagcactcgc agggaactcc acaggcag
6887	W "N" or "Xaa" used: Feature required	Trp Ser Xaa Trp Ser
6905	W "N" or "Xaa" used: Feature required	Gly Cys Gln Xaa Arg
7000	W "N" or "Xaa" used: Feature required	ccccattttt catcttctac gatcagcact ttaccac
7017	W "N" or "Xaa" used: Feature required	ttgctgctct gcatgctaaa agtcacgtca ttaggaan
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Input Set: I373658.RAW

Line	Error/Warning	Original Text
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7244	W "N" or "Xaa" used: Feature required	ttcgacctaa aattaaatac acctacttcg taaagang
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7247	W "N" or "Xaa" used: Feature required	gtgcaaagna agtgaagcca gccag
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7285	W "N" or "Xaa" used: Feature required	taaccggcaa tnggcctt
7298	W "N" or "Xaa" used: Feature required	aaatgggctt cctcttttcc tttttgggac cntct
7304	W "N" or "Xaa" used: Feature required	aatttgatag gatagttagt gaggnttatt aacctctg
7305	W "N" or "Xaa" used: Feature required	gccccgggca ttattattat tattnctttt gttacatc
7307	W "N" or "Xaa" used: Feature required	acttagtatn atgggggttg ggaaatgaaa agtaggag
7308	W "N" or "Xaa" used: Feature required	ctgttttact ttacctcact aacaatgggg ggagaaaag
7310	W "N" or "Xaa" used: Feature required	nttaaaactt cagattgttc
7328	W "N" or "Xaa" used: Feature required	gaaaagtagg aggaaagnng agnttttact aagacctg
7351	W "N" or "Xaa" used: Feature required	cgtgaggatt attaacctct gagcagtgat atagcata
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PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,658

DATE: 09/01/1999
TIME: 14:09:21

Input Set: I373658.RAW

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PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,658

DATE: 08/31/1999
TIME: 14:31:11

Input Set: I373658.RAW

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Information Section and those Sequences
containing ERRORS.

1 <110> Iruela-Arispe, Luisa
2 Hastings, Gregg A.
3 Ruben, Steven M.
4 Jonak, Zdenka L.
5 Trulli, Stephen H.
6 Fronwald, James A.
7 Terrett, Jonathan A.
8 <120> Meth1 and Meth2 Polynucleotides and Polypeptides
9 <130> 1488.1070006
10 <140> US/09/373,658
11 <141> 1999-08-13
12 <160> 125
13 <170> PatentIn Ver. 2.0

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

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15 <211> 716
16 <212> ~~C~~DNA
17 <213> Homo sapiens
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PAGE: 2

VERIFICATION SUMMARY
PATENT APPLICATION US/09/373,658

DATE: 08/31/1999
TIME: 14:31:11

Input Set: I373658.RAW

Line ? Error/Warning

Original Text

16 E Wrong or missing Molecule Type

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